

Date: Monday, 6/2/2008 8:32:32 AM
 User: David Duval

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : FORWARD GUIDE PLATE
 Job Number : 05017
 Estimate Number : 13353
 P.O. Number : Part Number : D358917
 This Issue : 6/2/2008 S.O. No. : Drawing Number : D3589 PROTO
 Prsht Rev. : NC Project Number : VR0004
 First Issue : 11 Type : R & D SM/MED FAB Drawing Revision : PROTO 08.06.03
 Previous Run : Material :
 Written By : 08/06/02 Due Date : 6/9/2008 Qty: 1 Um: Each
 Checked & Approved By :
 Comment : Est Rev:A 08-05-30 new issue DD verified by:ec

Additional Product

PROTOTYPE

Job Number:



FOR ENGINEERING USE ONLY

Seq. # Machine Or Operation: Description :

1.0 M4130NS063 4130 Sheet .063



Comment: Qty.: 0.0128 sf(s)/Unit Total : 0.0128 sf(s)

4130 Sheet .063

batch: ~~103~~ 103433

B 8-6-2

2.0 WATER JET FLOW WATER JET



Comment: FLOW WATER JET

1-Cut as per Dwg D3589

Dwg Rev: ~~PROTO~~ B 8-6-2Prog Rev: ~~PROTO~~

2-Deburr if necessary

B 8-6-2

①

3.0 QC2 INSPECT PARTS AS THEY COME OFF MACHINE



B 8-6-2

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0 QC8 SECOND CHECK

ENGINEERING
APPROVAL

08.06.02 ①

Comment: SECOND CHECK

5.0 PACKAGING 1 PACKAGING RESOURCE #1



FOR ENGINEERING USE ONLY

Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

08/06/02 ①

Date: Monday, 6/2/2008 8:32:32 AM
User: David Duval

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FORWARD GUIDE PLATE

Job Number: 05017

Part Number: D358917

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

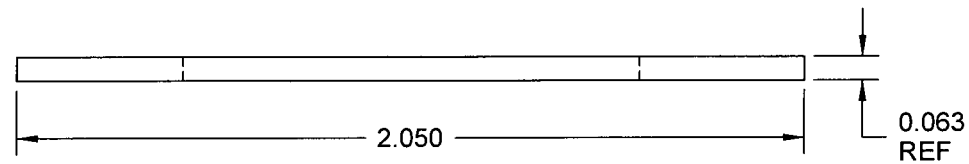
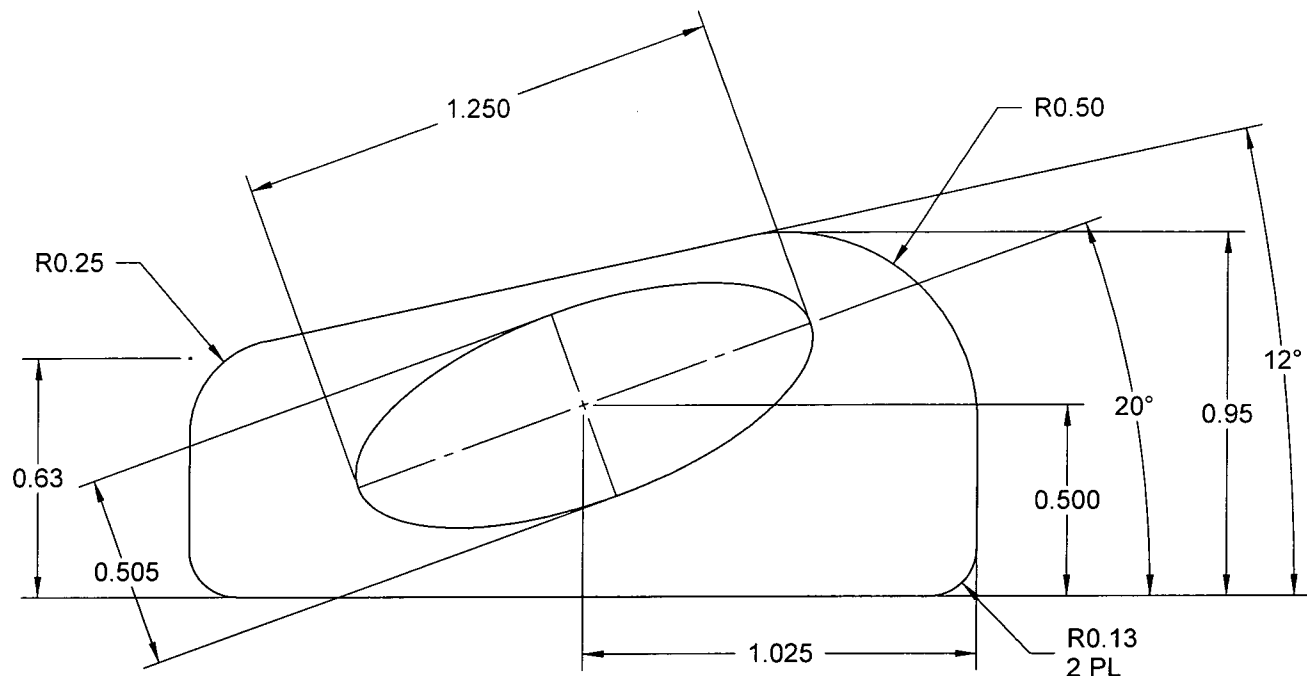
08.06.05 Perrype

Job Completion

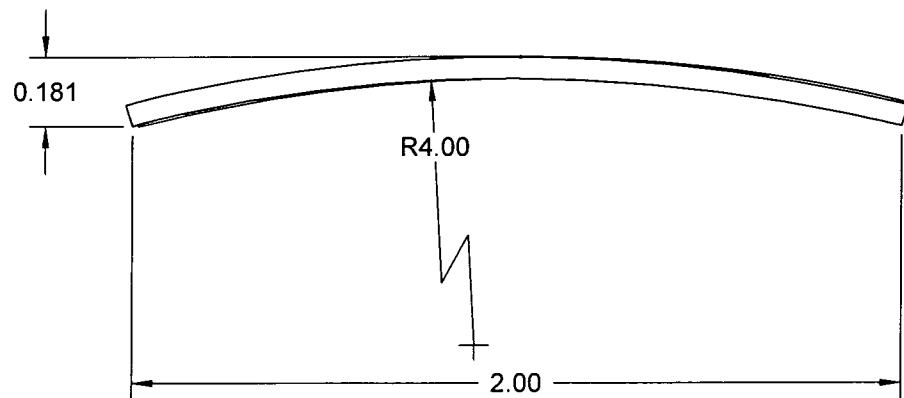


charge w/o # 00224

mtf 08-06-16



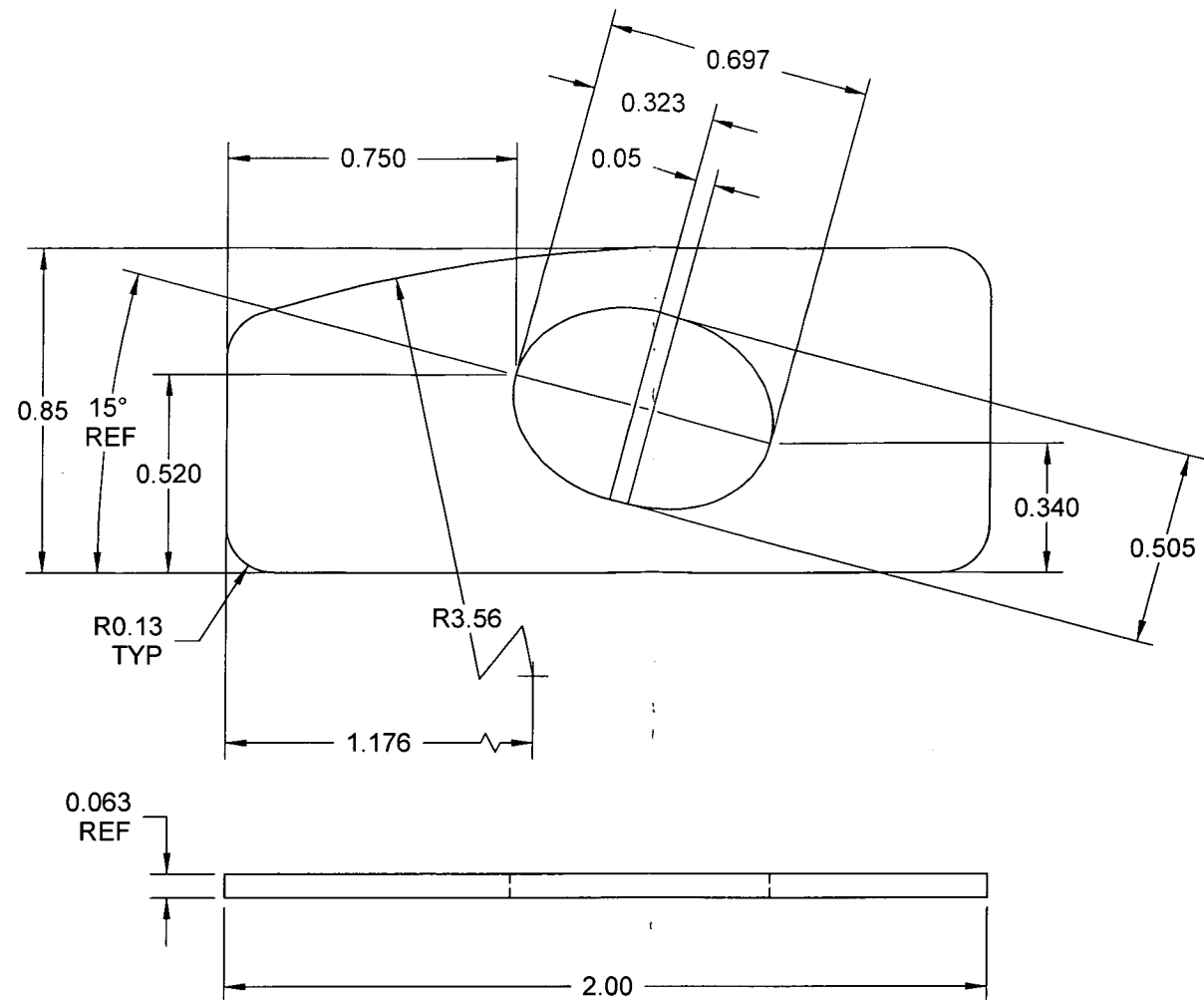
**D3589-19F AFT GUIDE PLATE
FLAT PATTERN**



**D3589-19 AFT GUIDE PLATE
MAKE FROM D3589-19F**

D3589-15F/-15/-17 NOTES:

- 1) MATERIAL: AISI 4130 SHEET 0.063 THICK PER MIL-S-18729/AMS6350/AMS6351
NORMALIZED (REF. DART SPEC M4130N-S063)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs EACH



D3589-17 FORWARD GUIDE PLATE

PROTOTYPE
PLEASE RETURN ALL ISSUED
DATA TO ENGINEERING
[Signature]

| | | | |
|------------|-----------------|--|--------------|
| DESIGN | | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | | | |
| CHECKED | | DRAWING NO. D3589 | REV. A |
| MFG. APPR. | | | SHEET 7 OF 7 |
| APPROVED | | TITLE LATCH ASSEMBLY | SCALE NTS |
| DE APPR. | | COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |
| DATE | 08.05.29 | | |

Receiving Report

Batch No: M103433
Dart P/O: 2943

Date: 7/20/06
Supplier: Camel

Release Note Attached: Yes ☒ No ☒ N/A ☒
Waybill Attached: Yes ☒ No ☒ N/A ☒
Shipment Complete: Yes ☒ No ☒ N/A ☒
QC6 Inspection QC-OK

Packing Slip: Yes ☒ No ☒
Invoice: Yes ☒ No ☒
Receipt: Cash ☒ Cr ☒

| Discrepancies | Part Number | Description | Quantity Ordered | Quantity Received | Quantity Returned | Quantity Short | Comments |
|---------------|-----------------|-------------|------------------|-------------------|-------------------|----------------|----------|
| | M30451264 | | 32 | 0 | 0 | 32 | |
| | M4130NT0375W065 | | 20 | 20.5 | 0 | 0.5 | |
| | M4130NT1000W049 | | 20 | 19 | 0 | 1 | |
| | M4130NT0800W058 | | | | | | |

Initials of receiver (if shipment OK) Level 12

Location Level 2

Production/Admin: 7/20/06

Date Received/Costing 7/20/06
Initial RP 3706

450 377-4248
450 377-5696

MONTREAL: 514 336-4248
FAX: 514 336-4246

ONTARIO: 1 800 667-4248
FAX: 1 866 456-4242

DISTRIBUTEUR D'ACIER ET METAUX SPECIALISES
STEEL AND SPECIALTY METALS DISTRIBUTOR

On a du Savoir "FER"

À / SHIP TO:

ED FEB 15 2007

EROSPACE
MERDEEN STREET
MURY,

FACTURE INVOICE N° 170263

DATE 06/02/07

BON DE LIVRAISON N° 117635
PACKING SLIP

DATE DE LIVRAISON 06/02/07
DELIVERY DATE

| TERMES / TERMS | TERR. | REMARQUES / REMARKS | PAGE N° |
|----------------|-------|---------------------|---------|
| NET 30 JOURS | 2R | | 001 |

| DESCRIPTION | POIDS WEIGHT | PRIX PRICE | PAR PER * | MONTANT AMOUNT |
|--------------------------|--------------|------------|-----------|----------------|
| ROUND | 11 | 16.800 | | 200.26 |
| 3/8 X .065 | 22 | 5.750 | | 129.38 |
| 1/2 X .058 | 20 | 5.750 | | 115.98 |
| " X .049 | 19 | 6.050 | | 114.95 |
| 6" X 144 SHEET | 1 | 350.000 | | 350.00 |
| 6" X 144 SHEET | 1 | 555.000 | | 555.00 |
| X 6 | 72 | 350.000 | CLB | 252.00 |
| X 3/4 | 5 | 440.000 | CLB | 22.00 |
| 12 JA 48 X 96 | 0 | 448.435 | CLB | 0.00 |
| RECHARGE | 1 | 0.000 | UN | 0.00 |
| POIDS TOTAL TOTAL WEIGHT | | 153.59 | | |

TERMS REMAIN THE PROPERTY OF "ACIER CAMPI INC." UNTIL PAYMENT IS MADE IN FULL, COMPLETE AND CASHED. THE BUYER'S EXPENSE. • ALL MATERIALS BEAR THE SAME WARRANTY AS GIVEN BY THE MANUFACTURER. TO RESPECT THE FOLLOWING CONDITIONS: NET 30 DAYS FROM BILLING DATE AND THE BUYER ACCEPTS TO PAY 2% PER MONTH OR 24% PER ANNUM ON ALL PAST DUE ACCOUNTS OVER 30 DAYS. • ANY DEFAULT IN RESPECT WITH PAYMENT BY ACCELERATION AND PERMITS TO THE SELLER, AT HIS CHOICE TO CLAIM FOR THE BALANCE DUE OR THE SOLD. • ANY CLAIM MUST BE MADE WITHIN FIVE DAYS WITH THIS DOCUMENT ENCLOSED. • ANY MERCHANDISE RETURNED OR MODIFIED CANNOT BE RETURNED. • ALL GOODS RETURNED MUST BE WITH OUR AUTHORIZATION AND ARE AT OUR CHARGE.

EN BONNE CONDITION MERCHANDISE RECEIVED IN GOOD CONDITION

A/Y M/M J/D

| | |
|----------------------|----------------|
| SOUS-TOTAL SUB TOTAL | 1739.57 |
| T.P.S. G.S.T. | 104.38 |
| T.V.Q. Q.S.T. | 0.00 |
| TOTAL | 1843.95 |

Formplus N° 8619

Dufresne

METALLURGICAL TESTING LABORATORY

15 KOENIGER BLVD.
PARRIST, PA 16121

CONTACT: DALE SIDMONS

TELEPHONE: (724) 983-6464 X298

FAX: (724) 982-4423

CERTIFIED TEST REPORT

Customer: A.M. CASTLE & CO.

ORDER #

705743-01

CUST. PO#

01-17802

Address: 3400N WOLF ROAD

SIZE

.063 X 36.000

FRANKLIN PARK, IL

WT. SHIPPED

29340

BRAT #

MTBA11779

4150A0 (NORMALIZED OR OTHERWISE
HEAT TREATED)

GRADE/TYPE

HARDNESS, YIELD, TENSILE, ELONG,
GRAIN SIZE / AMS6345A/AMS2301

Phone: 847-349-2345

Testing Required:

Fax: 847-4558824

Representative: SHARON URBANEK

| As Processed Results | | B8 | | B18 | | B290 | | B45 | | B112 | | B1077 | |
|----------------------|------------------|--------|-------|-------|-----------|--------------|-----------|--------------|---------------------|------------|------------|--------------|--|
| Coil # | ASTM TEST METHOD | Heat # | Gauge | Area | Yield PSI | Ultimate PSI | Stress 2% | Hardness HRC | Brinell Test 17.5HV | Elong 100X | Grain Size | Decarbo 100X | |
| 8004426 | MTBA11779 | .063 | | .0815 | 57250 | 109870 | 13.5 | 99 | PASS | 0 | 0 | 0 | |

CASTLE METALS FP

DATE REC'D 10/04

INACT 202345

APPROVED BY: *[Signature]*

*Ductility outsourced to independent laboratory (ASTM A Certified)

| Heat Treated Results* | | B18 | |
|-----------------------|------------------|--------|------|
| Coil # | ASTM TEST METHOD | Heat # | G.A. |
| 8004426 | MTBA11779 | .063 | 38 |

Regaltrament: The difference in hardness between the surface and core shall not be greater than 2.0

CONFORMANCE: The sample submitted has passed all testing requirements.

By: *[Signature]* Metallurgical Laboratory Supervisor

Date:

9-12-06

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Form Number: 1007 S10.4 Rev. 1 6/18/04

Duferco

C O R P O R A T I O N

METALLURGICAL TESTING LABORATORY

15 ROEMER BLVD.
HARBEL, PA 16121
CONTACT: DALE SIDDONS
TELEPHONE: (724) 963-6464 X298
FAX: (724) 962-4423

CERTIFIED TEST REPORT

Customer: AMCASTLE & CO. ORDER # 709743-01 CUST. PO# 01-17802
Address: 3400N. WOLF ROAD SIZE .063 X 36.000
FRANKLIN PARK, IL. WT SHIPPED 29340
HEAT # MTRAL1779
Lot#: 847-349-2945 GRADE 4130AQ
EC: 847-455-8824
Representative: SHARON URBANEK

| Type Analysis: <u>MTRAL1779</u> | | | | | | | | | |
|---|-----|------|------|------|-----|-----|-----|-----|-----|
| ASTM TEST METHOD: BA15 D or B1019 D (C & S only when checked) | | | | | | | | | |
| (Results are in weight %) | | | | | | | | | |
| C | Mn | P | S | Al | Si | Cu | Ni | Cr | Mo |
| .32 | .50 | .006 | .001 | .031 | .24 | .02 | .02 | .36 | .16 |
| Sr | Ca | B | Nb | Co | V | Zr | Ce | N | Ti |

NOTE: The melt source is USA

The material supplied is mercury and weld free
Frequency/severity rating - passed based on Frequency/severity per spec AMS 2201

By: [Signature]
Metallurgical Laboratory Supervisor

Date: 9-12-06

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Form Number: LQCP 5164 Rev. 1 05/16/04